

April 29, 2002

Mr. Danny Irby
Jeffboat L.L.C.
PO Box 610
Jeffersonville, IN 47131

Re: **019-15091**
First Significant Permit Modification to
Part 70 No.: T 019-6874-00006

Dear Mr. Irby:

Jeffboat L.L.C. was issued Part 70 operating permit **T 019-6874-00006** on July 13, 1999 for a stationary shipbuilding and repair operation. A letter requesting changes to this permit was received on July 31, 2001. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of the following additional equipment :

Four (4) abrasive blasting units for the outdoor maintenance and construction of marine vessels, identified as EU6, controlled by a dust suppressant, capacity: 2.0 tons of blast media per hour.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Patrick Brennan, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments (TSD)
PTB/MES

cc: File - Clark County
U.S. EPA, Region V
Clark County Health Department
Air Compliance Section Inspector - Ray Schick
Compliance Branch - Karen Nowak
Administrative and Development - Lisa Lawrence
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Jeffboat L.L.C.
1030 East Market Street
Jeffersonville, Indiana 47130**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 019-6874-00006	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: July 13, 1999 Expiration Date: July 13, 2004

First Administrative Amendment 019-10057-00006, Issued August 31, 1999

First Reopening R 019-13166-0006, Issued December 5, 2001

First Significant Permit Modification No.: SPM 019-15091-00006	Sections Affected: A1, A.2, D.7
Issued by: Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: April 29, 2002

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary shipbuilding and repair source.

Responsible Official: Danny Irby
Source Address: 1030 East Market Street, Jeffersonville, Indiana 47130
Mailing Address: P.O. Box 610, Jeffersonville, Indiana 47131
SIC Code: 3731 for Primary Operating Scenario
3441 and 3449 for Alternate Operating Scenario No. 2
County Location: Clark
County Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Major Source, under Emission Offset Rules;
Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Two (2) shot blast units (EU1), known as the Pangborn (No. 1) and the Wheelabrator (No. 2), each equipped with baghouse dust collectors known as BH1 and BH2, with flow rates of 13,000 acfm and 12,000 acfm, respectively, capacity: sheet steel required for the manufacture of 300 marine vessels per year, each;
- (b) Two (2) spray booths (EU2) for the application of weld-through (shop) primer performing shipbuilding, known as Booths No. 1 and No. 2, each equipped with paint arrestor pads for air pollution control, known as PA1 and PA2, capacity: 300 marine vessels per year, each;
- (c) Outdoor spray operations (EU3) performing shipbuilding, consisting of conventional, airless and electrostatic paint spray application methods, as well as brush and roller applications. A portable enclosure/booth for overspray control is being tested under Alternative Operating Scenario No. 1, facility production capacity: 600 marine vessels per year;
- (d) Welding operations (EU4) for the construction of marine vessels from sheet steel, capacity: 600 marine vessels per year; and
- (e) Flame cutting operations (EU5) for the construction of marine vessels from sheet steel, capacity: 600 marine vessels per year.
- (f) Alternative Operating Scenario No. 2, Emission units EU2, EU3 and EU6, performing non-shipbuilding metal fabrication, two (2) spray booths (EU2), known as Booths No. 1 and No. 2, each equipped with paint arrestor pads for air pollution control, and outdoor spray operations (EU3) consisting of conventional, airless and electrostatic paint spray application

methods, as well as brush and roller applications. All equipment is the same as that used in the primary operating scenario. Capacity: 195,000 tons of steel painted per year (equivalent to tonnage of 600 marine vessels per year in primary operating scenario).

- (g) Four (4) abrasive blasting units for the outdoor maintenance and construction of marine vessels, identified as EU6, controlled by a dust suppressant, capacity: 2.0 tons of blast media per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

This stationary source does not currently have any insignificant activities, as defined in 326 IAC 2-7-1 (21) that have source specific applicable requirements.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 Permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);

SECTION D.7

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Outdoor Abrasive Blasting Operations

- (g) Four (4) abrasive blasting units for the outdoor maintenance and construction of marine vessels, identified as EU6, controlled by a dust suppressant, capacity: 2.0 tons of blast media per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.7.1 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1-2(a)(Nonattainment Area Particulate Limitations), particulate matter (PM) emissions from the four (4) abrasive blasting units shall be limited to 0.03 grain per dry standard cubic foot.

D.7.2 Blasting Material Throughput Limit

Operations utilizing the four (4) abrasive blasting units shall use less than 4,500 tons of blasting material per twelve (12) consecutive month period.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.7.3 Particulate Matter (PM)

A dust suppressant product, such as DUSTNET, or its equivalent, shall be mixed with the blasting media at all times that the four (4) abrasive blasting units, known as EU6, are in operation.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.7.4 Record Keeping Requirements

- (a) To document compliance with Condition D.7.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the blasting media usage limit established in Condition D.7.2.

- (1) The amount of blasting media used. Records shall include purchase orders and invoices necessary to verify the type and amount used;
- (2) A log of the monthly usage of blasting media;
- (3) The weight of blasting media used for each compliance period.

D.7.5 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.7.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: Jeffboat L.L.C.
Source Address: 1030 East Market Street, Jeffersonville, Indiana 47130
Mailing Address: Box 610, Jeffersonville, Indiana 47131
Part 70 Permit No.: T 019-6874-00006
Facility: Four (4) abrasive blasting units (EU6)
Parameter: Blasting media
Limit: Less than 4,500 tons of blasting material per twelve (12) consecutive month period.

YEAR: _____

Month	Blasting Media Used (tons)		
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Part 70 Significant Source Modification and a Part 70 Significant Permit Modification

Source Background and Description

Source Name:	Jeffboat L.L.C.
Source Location:	1030 East Market Street, Jeffersonville, Indiana 47130
County:	Clark
SIC Code:	3741 Normal Operations
	3441 and 3499 (Alternative Operating Scenario No. 2)
Operation Permit No.:	T 019-6874-00006
Operation Permit Issuance Date:	July 13, 1999
Significant Source Modification No.:	019-14738-00006
Significant Permit Modification No.:	019-15091-00006
Permit Reviewer:	Patrick Brennan/MES

The Office of Air Quality (OAQ) has reviewed a modification application from Jeffboat L.L.C. relating to the construction of the following emission units and pollution control devices:

- (g) Four (4) abrasive blasting units for the outdoor maintenance and construction of marine vessels, identified as EU6, controlled by a dust suppressant, capacity: 2.0 tons of blast media per hour.

History

On July 31, 2001, Jeffboat L.L.C. submitted an application to the OAQ requesting to add four (4) outdoor abrasive blasting units to their existing plant. Emissions from the proposed new blasting units will be controlled through the use of a dust suppressant additive, which will reduce PM emissions by 50%, and PM₁₀ emissions by 76%, and a production limit of 375 tons of blasting media per month. These units will be utilized for shipbuilding and maintenance activities. Jeffboat L.L.C. was issued a Part 70 permit on July 13, 1999.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

All emissions from the proposed outdoor blasting operations are fugitive. There are no stacks.

Recommendation

The staff recommends to the Commissioner that the Part 70 Significant Source Modification and Significant Permit Modification be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on July 31, 2001. Additional information was received on February 7, 2002 and March 1, 2002.

Emission Calculations

The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are provided on page 1 of 1 of Appendix A of this document.

Potential To Emit of Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA.”

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	1594
PM ₁₀	223
SO ₂	--
VOC	--
CO	--
NO _x	--

All emissions from the proposed modification are fugitive.

Justification for Modification

The Part 70 Operating Permit is being modified through a Part 70 Significant Source Modification. This modification is being performed pursuant to 326 IAC 2-7-10.5(d)(9), because the potential to emit of PM and PM₁₀ exceeds 25 tons per year. The proposed operating conditions shall be incorporated into the Part 70 Operating Permit as a Significant Permit Modification (SPM 019-15091-00006) in accordance with 326 IAC 2-7-12(d)(1). The Significant Permit Modification will give the source approval to operate the proposed emission unit.

County Attainment Status

The source is located in Clark County.

Pollutant	Status
PM ₁₀	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	maintenance
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Clark County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (b) Clark County has been classified as attainment or unclassifiable for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (c) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive PM and PM₁₀ emissions are not counted toward determination of PSD and Emission Offset applicability.

Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	5.40
PM ₁₀	5.40
SO ₂	0.058
VOC	4.87
CO	6.75
NO _x	9.22

- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the 28 listed source categories.

Potential to Emit of Modification After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

	Potential to Emit (tons/year)						
Process/facility	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
Proposed Modification	0.00	0.00	--	--	--	--	0.00
PSD Threshold Level	250	250	250	250	250	250	-

The potential to emit of PM and PM₁₀ from the proposed modification is 0.00 tons per year. In this context, potential to emit means emissions of PM and PM₁₀ which are subject to the requirements of the PSD rules.

Since all operations involving the four (4) abrasive blasting units occur outdoors, these emissions are fugitive. Because shipbuilding and maintenance is not one of the 28 listed source categories under 326 IAC 2-2, and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not subject to the PSD rules, and cannot be evaluated against PSD threshold levels.

This modification to an existing minor stationary source is not major because the emission increase is less than the PSD threshold levels. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

Potential to Emit of the Entire Source After Issuance Including Fugitive Emissions

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls, including fugitive emissions not subject to PSD. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

Pollutant	PM (tons/yr)	PM ₁₀ (tons/yr)	SO ₂ (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NO _x (tons/yr)	HAPs (tons/yr)
Proposed Modification Non Fugitive Emissions	0.00	0.00	--	--	--	--	0.00
Proposed Modification Fugitive Emissions	205	14.0	--	--	--	--	0.00
Existing Source Non Fugitive Emissions	5.40	5.40	0.058	4.87	6.75	9.22	0.022
Existing Source Fugitive Emissions	434	434	--	546	--	--	236
Total Emissions	644	453	0.058	551	6.75	9.22	236

The source has requested a voluntary limit of 4,500 tons of blasting material per twelve (12) consecutive month period, which is reflected in the above table. This is the equivalent of blast

cleaning six ships per year.

Federal Rule Applicability

- (a) This significant modification does not involve a pollutant-specific emissions unit with the potential to emit after control in an amount equal to or greater than 100 tons per year. Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable.
- (b) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR Part 63) applicable to this proposed modification.

State Rule Applicability - Individual Facilities

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

The existing source, constructed in the 1860's, has operated under the current ownership since 1939, and has operated at the maximum capacity of 600 barges per year prior to August 7, 1977. Because it is not one of the 28 listed source categories under 326 IAC 2-2, and no applicable new source performance categories were in effect on August 7, 1980, fugitive emissions are not counted toward determination of PSD. Therefore, the source has not undergone PSD review.

Because all emissions from the proposed modification are fugitive, the proposed modification is also not subject to the PSD requirements of 326 IAC 2-2. OAQ has investigated possible ways to enclose the blast cleaning process, and determined that construction of a building large enough to contain the process is impractical. Such a building would have to be over 400 ft. long, and its placement on the Jeffboat property would disrupt production lines and restrict the ability to build other vessels.

326 IAC 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of thirty percent (30%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

326 IAC 6-1 (Particulate Limitations)

Because the proposed modification has potential particulate emissions greater than 100 tons per year and is located in Clark County, 326 IAC 6-1-2 (particulate limitations) is applicable. Pursuant to 326 IAC 6-1-2, particulate emissions from the four (4) abrasive blasting units, identified as EU6 shall be limited to 0.03 grains per dry standard cubic foot.

- (a) The four (4) abrasive blasting units, identified as EU6, will operate outdoors. OAQ has

previously determined that visible emissions observations are not feasible at this source.

- (b) Jeffboat is not specifically listed in 326 IAC 6-1-17, (particulate limitations: Clark County).

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- (a) A dust suppressant product, such as DUSTNET, or its equivalent, shall be mixed with the blasting media at all times that the four (4) abrasive blasting units, known as EU6, are in operation.
- (b) The four (4) abrasive blasting units shall use less than 4,500 tons of blasting material per twelve (12) consecutive month period.
- (c) During the public comment period for the original Part 70 Permit for the source, T019-6874-00006, issued on July 13, 1999, it was determined that visible emissions monitoring for PM and PM₁₀ was not feasible for outdoor operations.

Proposed Changes

The permit language is changed to read as follows (deleted language appears as ~~strikeouts~~, new language appears in **bold**):

1. Section A.1 has been updated to reflect the attainment status change for ozone.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates a stationary shipbuilding and repair source.

Responsible Official:	Danny Irby
Source Address:	1030 East Market Street, Jeffersonville, Indiana 47130
Mailing Address:	P.O. Box 610, Jeffersonville, Indiana 47131
SIC Code:	3731 for Primary Operating Scenario 3441 and 3449 for Alternate Operating Scenario No. 2
County Location:	Clark
County Status:	Nonattainment for Ozone and Particulate Matter

Source Status: Attainment for all other criteria pollutants
Part 70 Permit Program
Major Source, under Emission Offset Rules;
Major Source, Section 112 of the Clean Air Act

2. The equipment list in Section A.2 has been revised as follows:

(g) **Four (4) abrasive blasting units for the outdoor maintenance and construction of marine vessels, identified as EU6, controlled by a dust suppressant, capacity: 2.0 tons of blast media per hour.**

3. A new Section D.7 has been added to the permit to include the four (4) abrasive blasting units.

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Outdoor Abrasive Blasting Operations

(g) **Four (4) abrasive blasting units for the outdoor maintenance and construction of marine vessels, identified as EU6, controlled by a dust suppressant, capacity: 2.0 tons of blast media per hour.**

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.7.1 Particulate Matter (PM) [326 IAC 6-1]

Pursuant to 326 IAC 6-1-2(a)(Nonattainment Area Particulate Limitations), particulate matter (PM) emissions from the four (4) abrasive blasting units shall be limited to 0.03 grain per dry standard cubic foot.

D.7.2 Blasting Material Throughput Limit

Operations utilizing the four (4) abrasive blasting units shall use less than 4,500 tons of blasting material per twelve (12) consecutive month period.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.7.3 Particulate Matter (PM)

A dust suppressant product, such as DUSTNET, or its equivalent, shall be mixed with the blasting media at all times that the four (4) abrasive blasting units, known as EU6, are in operation.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.7.4 Record Keeping Requirements

(a) To document compliance with Condition D.7.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the blasting media usage limit established in Condition D.7.2.

- (1) The amount of blasting media used. Records shall include purchase orders and invoices necessary to verify the type and amount used;
- (2) A log of the monthly usage of blasting media;
- (3) The weight of blasting media used for each compliance period.

D.7.5 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.7.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

4. A Quarterly Reporting Form has been added to document compliance with Condition D.7.2.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: Jeffboat L.L.C.
Source Address: 1030 East Market Street, Jeffersonville, Indiana 47130
Mailing Address: Box 610, Jeffersonville, Indiana 47131
Part 70 Permit No.: T 019-6874-00006
Facility: Four (4) abrasive blasting units (EU6)
Parameter: Blasting media
Limit: Less than 4,500 tons of blasting material per twelve (12) consecutive month period.

YEAR: _____

Month	Blasting Media Used (tons)		
	This Month	Previous 11 Months	12 Month Total

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Conclusion

The operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. 019-15091-00006.

PM and PM10 Emission Calculations
Jeffboat L.L.C.
1030 East Market Street, Jeffersonville, IN 47130
SSM: 019-14738-00006
SPM: 019-15091-00006
County: Clark
Permit Reviewer: Patrick Brennan/MES
Date: July 31, 2001

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MAXIMUM POTENTIAL TO EMIT

Maximum Usage (lbs/hr)	PM Emission Factor (lb/1000 lb)	PM10 Emission Factor (lb/1000 lb)	Uncontrolled PM (tons/yr)	Uncontrolled PM10 (tons/yr)	Uncontrolled PM (lbs/hr)	Uncontrolled PM10 (lbs/hr)	PM Control Efficiency (%)	PM10 Control Efficiency (%)	Controlled PM (tons/yr)	Controlled PM10 (tons/yr)	Controlled PM (lbs/hr)	Controlled PM10 (lbs/hr)
4,000	91	13	1594.3	227.8	364.0	52.0	50	76	797.2	54.7	182.0	12.5

Notes

Maximum Usage (lbs/hr) based on four units operation at 1,000 lbs/hr each
PM and PM10 Emission Factors from AP-42, Compilation of Air Emission Factors, Chapter 13, Table 13.2.6-1
Uncontrolled PM and PM10 (tons/yr): Maximum Usage * 8760 hrs/yr * Emission Factor
Controlled PM and PM10 (tons/yr) = (1-Control Efficiency) * Uncontrolled Emissions

LIMITED POTENTIAL TO EMIT

Limited Usage (lbs/mo)	PM Emission Factor (lb/1000 lb)	PM10 Emission Factor (lb/1000 lb)	Uncontrolled PM (tons/yr)	Uncontrolled PM10 (tons/yr)	Uncontrolled PM (lbs/hr)	Uncontrolled PM10 (lbs/hr)	PM Control Efficiency (%)	PM10 Control Efficiency (%)	Controlled PM (tons/yr)	Controlled PM10 (tons/yr)	Controlled PM (lbs/hr)	Controlled PM10 (lbs/hr)
750,000	91	13	409.5	58.5	93.5	13.4	50	76	204.8	14.0	46.7	3.2

Notes

Limited Usage (lbs/mo) established by Jeffboat
PM and PM10 Emission Factors from AP-42, Compilation of Air Emission Factors, Chapter 13, Table 13.2.6-1
Uncontrolled PM and PM10 (tons/yr): Limited Usage * 12 mo/yr * Emission Factor
Controlled PM and PM10 (tons/yr) = (1-Control Efficiency) * Uncontrolled Emissions